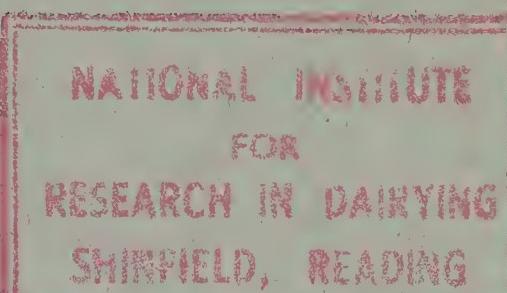
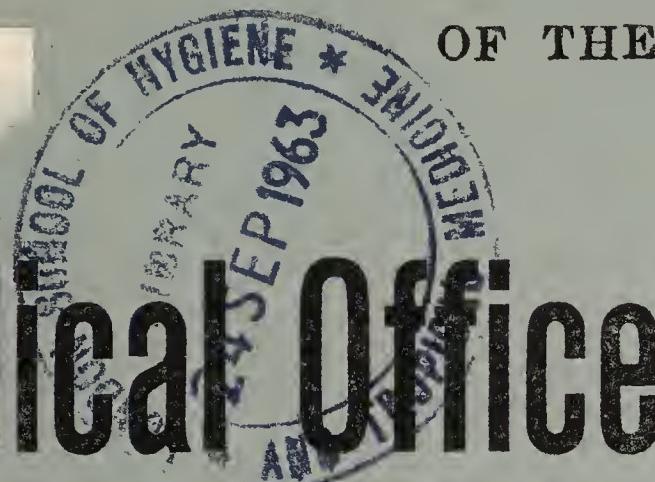


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# FORTY-EIGHTH ANNUAL REPORT

23 MAR 1950



# Medical Officer of Health

FOR THE YEAR 1946.



GUERNSEY :

PRINTED BY THE "GUERNSEY 'STAR' AND 'GAZETTE' LIMITED,  
BORDAGE STREET.

1947.



## APPENDIX.

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### REPORT

OF

**MEDICAL OFFICER OF HEALTH**

*for the year 1946.*



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## **Report of Medical Officer of Health for 1946.**

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States Annexe, Albert Pier, Guernsey, 4th July, 1947.

SIR,

I have the honour to forward herewith the report of the Medical Officer of Health for the year 1946, with a request that you will be so good as to cause it to be published as an Appendix to a future Billet d'Etat, and that (say) 100 copies be struck off for distribution in the usual way.

I have the honour to be, Sir,

Your obedient Servant,

A. N. SYMONS,  
President,  
Board of Health.

The Bailiff,  
The Royal Court,  
Guernsey.

---

Lukis House, Guernsey, 4th July, 1947.

GENTLEMEN,

I have the honour to present my twelfth annual report as States Medical Officer of Health, and the statistics show a considerable improvement on 1945, with the exception of the Infantile Mortality rate; appointment of health visitors and extension of the work of the Nursing Associations by States subsidies should be considered.

Urgent necessities are new houses, the extension of water mains and sewers, and the replacement of the septic tanks at the Castel.

I have the honour to be, Gentlemen,

Your obedient Servant,

ROWAN REVELL, M.D.  
Medical Officer of Health.

The President and Members,  
Board of Health,  
Guernsey.

## APPENDIX

## STATISTICS.

TABLE I.

*Sunshine.*

Total for 1946	..	..	..	..	..	1751.3 hours.
Average for 53 years	..	..	..	..	..	1880.6 "
Average for 50 years	..	..	..	..	..	1880.9 "
Sunless days for 1946	..	..	..	..	..	57.
Average ditto	..	..	..	..	..	55.

*Rainfall.*

Total rainfall for 1946	..	..	..	..	..	37.92 inches.
Average for 104 years	..	..	..	..	..	36.87 "
Average for 50 years	..	..	..	..	..	36.77 "
Rain days, 1946	..	..	..	..	..	202.
Average ditto	..	..	..	..	..	186.

*Temperature.*

Daily Mean temperature, 1946	..	..	..	..	..	51.0°
Average for 104 years	..	..	..	..	..	51.1°
Average for 50 years	..	..	..	..	..	51.5°
Mean daily range, 1946	..	..	..	..	..	8.4°
Average ditto	..	..	..	..	..	9.1°

TABLE II.

YEAR.	Estimated population to middle of each year.	BIRTHS.		DEATHS.			DEATHS.	
		Number.	Rate per 1,000.	Number.	Crude Rate per 1,000	Adjusted Rate per 1,000	under one year of age. Number. Rate per 1,000 Births.	
1934	.... 40,900	751	18.3	528	12.9	9.0	38	50.6
1935	.... 41,160	777	18.9	518	12.6	8.8	46	59.2
1936	.... 41,950	708	16.9	545	12.9	9.0	42	59.3
1937	.... 42,410	827	19.5	575	13.6	9.5	45	53.2
1938	.... 43,015	851	19.8	524	12.2	8.5	37	43.4
1939	.... 43,820	744	16.9	559	12.7	8.9	33	44.3
1940—								
	Jan-June 43,000	400	18.6	334	14.0	—	21	52.5
	July-Dec. 23,976	168	14.0	179	14.8	—	6	35.7
1941	.... 23,901	243	10.1	398	16.6	—	5	20.5
1942	.... 23,561	262	11.1	525	22.3	—	10	38.1
1943	.... 22,641	337	14.9	414	18.3	—	16	47.5
1944	.... 22,408	395	17.6	472	21.1	—	17	43.0
1945	.... 25,500	391	15.3	436	17.1	—	11	28.1
1946	.... 38,038	872	22.9	431	11.3	7.9	35	40.1

## APPENDIX

5

TABLE III.

## PERCENTAGE OF DEATHS AT DIFFERENT AGE PERIODS.

	Under 1 year	Years 1-5.	Years 5-15.	Years 15-25.	Years 25-65.	Over 65 years.
1900-1904	24.0	9.0	4.0	5.0	27.0	31.0
1905-1909	22.3	8.0	3.0	4.6	28.0	34.0
1910-1914	20.2	7.2	3.3	3.8	27.8	37.7
1915-1919	12.5	5.1	3.6	4.9	33.1	40.7
1920-1924	11.5	3.6	3.7	5.5	30.4	45.3
1925-1929	11.2	3.4	2.5	4.0	30.2	48.6
1930-1939	7.4	2.3	2.1	2.4	30.0	55.8
1940—						
Jan-June	5.9	2.9	1.2	1.5	34.4	55.1
July-Dec.	3.3	—	—	1.6	31.3	63.8
1941	1.2	0.7	0.3	2.5	32.6	62.7
1942	1.8	0.7	—	1.8	31.2	64.5
1943	3.9	0.7	0.2	1.5	28.1	65.6
1944	3.6	0.2	0.4	2.1	28.2	65.5
1945	2.8	1.3	0.9	2.0	27.0	66.0
1946	8.1	2.3	0.9	3.8	23.8	61.0

## POPULATION.

The mid-year population was estimated at 38,038.

## BIRTHS.

There were 872 live births, males 448, females 424, a rate of 22.9 per 1,000. Still-births numbered 19, a rate 21.7 per 1,000 live births; illegitimate births were 54, a percentage of 6.2 live births.

## DEATHS.

There were 431 deaths, males 227, females 204, a rate of 11.3 per 1,000.

## MATERNAL MORTALITY.

There was one death from Caesarian Section, a rate of 1.1 per 1,000 live births.

Under the Ordinance "Ayant rapport aux Sages Femmes," medical aid was sought in 93 cases.

Fees to medical practitioners     . . . . £163 4s. 6d.

## INFANTILE MORTALITY.

There were 35 deaths under one year of age, giving a rate of 40.1 per 1,000 live births.

## MARRIAGES.

There were 359 marriages, a rate of 9.4 per 1,000.

## CANCER.

There were 78 deaths from Cancer, a rate of 2.0 per 1,000.

## APPENDIX

## TUBERCULOSIS.

There were 22 deaths from Tuberculosis, 17 pulmonary and 5 non-pulmonary, giving rates of 0.58, 0.45 and 0.13 per 1,000 respectively.

The attendances at the Chest Clinic were as follows :—

New cases of Tuberculosis	..	..	..	36
New cases not Tuberculosis	..	..	..	15
Attendances of old cases	..	..	..	166
X-rays taken	..	..	..	279
Notifications of Tuberculosis	..	..	..	47

58 cases were admitted to the King Edward Sanatorium and 5 cases were sent to English Sanatoria ; Artificial Pneumothorax was carried out in suitable cases.

## INFECTIOUS DISEASES.

There were little notifiable infectious diseases during the year, but there were outbreaks of Measles and Pertussis. 945 children were inoculated, 1,125 re-inoculated against Diphtheria.

The following cases were admitted to King Edward Sanatorium :—

						Deaths.
Pulmonary Tuberculosis	..	..	..	..	31	2
Surgical Tuberculosis	..	..	..	..	1	—
Erysipelas	..	..	..	..	1	—
Scarlet Fever	..	..	..	..	3	—
Measles	..	..	..	..	7	1
Diphtheria	..	..	..	..	4	—
Broncho-pneumonia	..	..	..	..	2	—
Bronchitis	..	..	..	..	3	1
Tonsillitis	..	..	..	..	1	—
Puerperal Pynexia	..	..	..	..	1	—
Gonorrhoea	..	..	..	..	1	—
Cerebro-spinal Meningitis	..	..	..	..	1	—
Tubercular Meningitis	..	..	..	..	1	1
Observation	..	..	..	..	1	—
Total	..	..	..	..	58	5

## LABORATORY.

The following examinations were carried out during the year :—

Sputa	..	..	..	..	..	276
G.C.	..	..	..	..	..	51
K.L.B.	..	..	..	..	..	26
Milk	..	..	..	..	..	84
Uries	..	..	..	..	..	33
Stools	..	..	..	..	..	2
Blood films	..	..	..	..	..	18
Pus	..	..	..	..	..	11
Anthrax	..	..	..	..	..	8

## SANITATION.

A very large amount of cleaning up has been done, and when possible water closets and cesspits have been installed. As I have frequently pointed out, an extension of the sewers is essential as soon as the necessary works can be carried out.

## WATER SUPPLIES.

The States water supply was satisfactory but here again extensions as soon as possible are necessary.

## MILK SUPPLIES.

Very large numbers of samples have been taken and inspections made in order to improve the cleanliness of the milk supplies.

## HOUSING.

As elsewhere, the repair of old and construction of new houses is a matter of great urgency, but the work is delayed by shortage of labour and material.

## SELECTED GUERNSEY HEALTH STATISTICS.

	<i>Infant Mortality.</i>	<i>Still-births.</i>	<i>Pulmonary Tuberculosis.</i>
	Rate per 1,000 live births.	Rate per 1,000 live births.	Rate per 1,000
1937 .....	53.2	37.8	0.74
1938 .....	43.4	37.6	0.35
1939 .....	44.3	43.2	0.62
1940 .....	46.4	28.5	0.59
1941 .....	20.5	20.8	1.0
1942 .....	38.1	30.7	0.91
1943 .....	47.5	15.1	0.90
1944 .....	43.0	20.2	1.2
1945 .....	28.1	23.0	0.47
1946 .....	40.1	21.7	0.45

## APPENDIX

## VENEREAL DISEASES CLINIC.

	M	F	TOTAL.
1. Number of cases on January 1st receiving treatment or under observation.			
Syphilis .....	1	8	9
Gonorrhoea .....	3	4	7
2. Number of cases, formerly removed from register returned during year for treatment or observation.			
Syphilis .....	1	—	1
Gonorrhoea .....	1	—	1
3. In-patients .....	—	—	—
4. Number of new cases during the year suffering from :—			
(a) Syphilis			
Primary .....	11	3	14
Secondary .....	1	—	1
All later stages .....	3	2	5
Congenital .....	1	—	1
(b) Gonorrhoea			
1st year of infection .....	31	4	35
All later stages .....	1	—	1
5. Number of attendances.			
Syphilis .....	208	156	364
Gonorrhoea .....	190	39	229
6. Specimens taken for Pathological and Bacteriological examination.			
(a) Smears for Gonorrhoea .....	156	80	236
(b) Smears for dark ground for spirochaetes..	18	—	18
(c) Blood tests for W.R. ....			133
(d) Blood tests for G.C.F.T. ....			57
(e) Cerebro-spinal fluid .....	3	—	3
(f) Urines .....	125	6	131

## APPENDIX

9

	NAME OF PREPARATION.	No. of INJECTIONS.		TOTAL.	
		M	F		
7.	Chief preparation used in treatment of Syphilis.				
(1)	Arsenic .....	Mapharside	126	100	226
(2)	Bismuth .....	Bismostab	135	63	198
		Penicillin	—	4	4
	Chief preparation used in the treatment of Gonorrhoea.				
(1)	Sulphathiazole .....		25	6	31
(2)	Vaginal tablets .....		—	2	2
(3)	Penicillin (emulsion) .....		35	5	40
(4)	Douches .....		—	13	13
(5)	Irrigations .....	101	—	101	
	Other treatment and/or instrumentation.				
(6)	Prostate Massage .....		23	—	23
(7)	Urethroscopy .....		7	—	7
(8)	Sounds .....		7	—	7
8.	Observation cases for Syphilis .....	6	4	10	
	, , , , , Gonorrhoea .....	8	6	14	
9.	Number of observation cases not returned as V.D. .....	8	7	15	
10.	Number of cases discharged Gonorrhoea ..	10	—	10	

B

## APPENDIX

## RETURN OF BIRTHS AND DEATHS REGISTERED DURING 1946.

PARISH LETTER.	A	B	C	D	E	F	G	H	I	K	Total
	St. P. Port.	St. Sampson.	Vale.	Castel.	St. Saviour.	St. Pierre-du-Bois.	Torteval.	Forest.	St. Martin.	St. Andrew.	
Males .. ..	72	16	26	293	8	14	1	4	11	3	448
Females .. ..	54	28	24	276	5	9	-	4	17	7	424
Total .. ..	126	44	50	569	13	23	1	8	28	10	872
Deaths under 1 year	6	1	1	22	1	2	2	1	-	-	35
Stillbirths .. ..	2	1	-	12	-	-	-	-	3	1	19

No. 1. *Epidemic, Endemic and Infectious Diseases*—

## DEATHS.

Tuberculoses (all Forms)—

Pulmonary ..	6	1	2	4	1	2	1	1	2	1	17
Meningitis ..	1	-	-	3	-	1	-	-	-	-	5
Influenza ..	-	1	1	1	1	1	1	1	1	1	2
Pertussis ..	1	1	1	1	1	1	1	1	1	1	1
Pyaemia ..	-	1	1	1	1	1	1	1	1	1	1
Septicaemia ..	-	1	1	1	1	1	1	1	1	1	1

No. 2. *Cancer and other Tumours*—

Oesophagus ..	1	1	1	1	1	1	1	1	1	1	2
Stomach ..	4	1	1	1	7	1	1	1	1	1	16
Colon .. ..	1	1	1	2	2	1	1	1	2	1	7
Rectum ..	1	1	1	1	3	1	1	1	1	1	4
Pancreas ..	1	1	1	1	1	1	1	1	1	1	2
Liver .. ..	1	1	1	1	3	1	1	1	1	1	5
Kidney .. ..	1	1	1	1	1	1	1	1	1	1	2
Gall Bladder ..	-	1	1	1	1	1	1	1	1	1	1
Breast .. ..	5	1	1	1	1	1	1	1	1	1	8
Uterus .. ..	4	1	1	3	1	1	1	1	1	1	9
Prostate .. ..	1	1	1	1	1	1	1	1	1	1	3
Scrotum .. ..	-	1	1	1	1	1	1	1	1	1	1

Carried forward 26 5 7 33 1 4 - - 9 2 .. 87

## APPENDIX

II

Brought forward 26	5	7	33	I	4	-	-	9	2	..	87
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No. 2. (*Continued*).

Larynx .. ..	I	-	-	3	-	-	-	-	-	..	4
Lung .. ..	I	2	3	I	-	-	-	-	-	..	7
Lymphatic											
Neoplasm ..	-	-	-	I	-	-	-	-	-	..	I
Cerebral ..	I	-	-	-	-	-	-	-	-	..	I
Sarcoma of											
Thigh ..	I	-	-	-	-	-	-	-	-	..	I

No. 3. *Rheumatism,*  
*Diseases of Nutrition and of Endocrine glands and other General Diseases—*

Rheumatoid											
Arthritis ..	I	-	-	-	-	-	-	-	-	..	I
Diabetes Mellitus	I	-	-	I	-	I	-	-	-	..	3

No. 4. *Diseases of the Blood and Blood-forming organs—*

Plastic Anaemia	-	-	-	I	-	-	-	-	-	..	I
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No. 6. *Diseases of the Nervous System and Sense Organs—*

Meningitis ..	-	-	-	I	-	-	-	-	I	..	2
Cerebral Haemorrhage .. ..	7	3	2	2	4	-	-	-	-	..	18
Apoplexy ..	I	I	-	-	-	-	-	-	-	..	2
Cerebral Thrombosis .. ..	6	I	I	4	-	-	-	-	I	..	13
Hemiplegia ..	-	-	-	2	-	-	-	-	I	..	3
Landry's Paralysis	I	-	-	-	-	-	-	-	-	..	I
Mania .. ..	I	-	-	-	-	-	-	-	-	..	I
Epilepsy .. ..	2	-	-	-	-	-	-	-	-	..	2
Anorexia Nervosa	-	-	I	-	-	-	-	-	-	..	I
Bulbar Palsy ..	-	-	-	I	-	-	-	-	-	..	I
Otitis Media ..	-	-	-	I	-	-	-	-	-	..	I

Carried forward	50	12	14	51	5	5	-	-	11	3 ..	151
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## APPENDIX

Brought forward 50	12	14	51	5	5	-	-	11	3 .. 151
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No. 7. Diseases of the Circulatory System—

Endocarditis ..	-	2	I	2	-	-	-	-	- .. 5
Aortic Disease ..	-	-	-	I	-	-	-	-	- .. I
Valvular Disease	-	-	-	-	-	-	-	-	I .. I
Mitral Stenosis	3	-	-	2	I	-	-	I	- .. 7
Myocarditis ..	4	-	-	I	-	-	I	-	- .. 6
Chronic Myocarditis ..	2	I	-	-	-	-	-	I	- .. 4
Myocardial Degeneration	II	2	2	10	-	I	-	I	2 .. 29
Arterio Sclerosis	2	2	2	I	-	-	I	-	- .. II
Angina Pectoris	2	-	I	-	-	-	I	-	- .. 4
Coronary Thrombosis ..	5	4	I	2	-	-	-	I	2 .. 15
Hyperpiesia ..	2	2	I	I	-	-	-	-	I .. 7
Morbus Cordis ..	6	I	2	3	-	-	-	I	- .. 15
Congestive Heart Failure ..	-	-	-	I	-	-	-	-	- .. I
Cardiac Failure	4	-	-	I	-	-	-	-	- .. 5

No. 8. Diseases of the Respiratory System—

Acute Bronchitis	2	-	-	3	2	-	-	-	2	- .. 9
Chronic Bronchitis	3	-	I	-	I	-	-	-	-	- .. 5
Bronchitis ..	2	I	-	-	-	-	-	I	I .. 5	
Acute Bronchopneumonia ..	I	-	-	-	I	-	-	-	-	- .. 2
Bronchopneumonia ..	3	-	3	2	-	3	3	-	-	- .. 14
Lobar Pneumonia	I	-	-	-	-	-	-	-	-	- .. I
Pneumonia ..	-	-	-	4	-	-	-	-	-	- .. 4
Asthma ..	I	-	-	I	-	-	-	-	-	- .. 2
Bronchial Asthma	-	-	I	-	I	-	-	-	-	- .. 2
Chronic Asthma	I	-	-	-	-	-	-	-	-	- .. I
Asthma and Bronchitis ..	-	-	I	-	-	-	I	-	I	- .. 3
Bronchiectasis ..	-	-	-	I	-	-	-	-	-	- .. I
Pulmonary Embolism ..	-	-	-	-	2	-	-	-	-	- .. 2
Pulmonary Thrombosis ..	..	..	-	-	I	-	-	-	-	- .. I

Carried forward 105	27	30	90	II	9	6	3	23	10 .. 314
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APPENDIX

Brought forward 105	27	30	90	11	9	6	3	23	10 .. 314
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No. 9. Diseases of the Digestive System—

Gastric Ulcer ..	-	-	-	I	-	-	-	-	- .. I
Ulcer of Stomach ..	-	-	-	I	-	-	-	-	- .. I
Acute Gastro-									
Enteritis ..	2	-	-	-	-	-	-	-	- .. 2
Gastro-Enteritis ..	-	-	-	I	-	-	-	-	- .. I
Intestinal Obstruc-									
tion .. ..	I	-	-	-	-	-	-	-	- .. I
Strangulated									
Hernia .. ..	-	I	-	-	-	-	-	-	- .. I
Cirrhosis of Liver ..	I	-	-	-	-	-	-	-	- .. I
Peritonitis ..	-	-	-	-	I	-	-	-	- .. I
Diverticulitis ..	-	-	-	2	-	-	-	-	- .. 2

No. 10 Non-Venereal Diseases of the Genito-Urinary System and Annexa—

Nephritis .. ..	-	-	-	-	-	-	-	I	-	- .. I
Chronic Nephritis ..	I	-	-	-	-	-	-	I	-	- .. 2
Bright's Disease ..	I	-	-	-	-	-	-	-	-	- .. I
Uraemia .. ..	2	3	-	4	-	-	-	-	I	- .. 10

No. 11. Diseases of Pregnancy, Child-birth and the Puerperal State—

Caesarean Section ..	-	-	-	I	-	-	-	-	-	- .. I
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No. 14. Congenital Malformations—

Hydrocephalus ..	-	-	-	I	-	-	-	-	-	- .. I
Congenital Heart ..	-	-	-	2	-	-	-	-	-	- .. 2
Congenital Pyloric Stenosis ..	-	-	-	I	-	-	-	-	-	- .. I
Atelectasis .. ..	-	-	-	I	-	-	-	-	-	- .. I
Anecephaly .. ..	-	-	-	I	-	-	-	-	-	- .. I

Carried forward 113	31	30	106	12	9	6	5	24	10 .. 346
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## APPENDIX

Brought forward	113	31	30	106	12	9	6	5	24	10 ..	346
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*No. 15. Diseases of Early Infancy—*

Premature Birth	I	I	—	6	—	—	—	—	—	— ..	8
Marasmus .. ..	I	—	—	2	—	—	—	—	—	— ..	3
Injury at Birth	—	—	—	I	—	—	—	—	—	— ..	I
Asphyxia ..	I	—	—	I	—	—	—	—	—	— ..	2

*No. 16. Old Age—*

Senile Decay ..	28	3	3	4	I	—	—	I	—	2 ..	42
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*No. 17. Deaths from Violence—*

Suicide

By Hanging ..	2	—	—	—	—	I	I	—	— ..	4
,, Strangulation I	—	—	—	—	—	—	—	—	— ..	I
,, Gunshot	—	—	—	—	—	—	—	—	— ..	—

Wounds

Accidental Deaths	—	I	—	—	—	—	—	—	— ..	I	
Drowning ..	5	—	2	I	—	—	—	—	I	— ..	9
Other Causes	6	—	—	6	—	—	—	—	—	— ..	12

*No. 18. Ill-Defined Diseases—*

Malnutrition ..	I	—	—	I	—	—	—	—	— ..	2
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Total .. ..	159	36	35	128	13	9	7	7	25	12 ..	431
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CAUSES OF AND AGES AT DEATH OF DEATHS REGISTERED  
DURING 1946.

		Under 1 yr.	1-2	2-5	5-15	15-25	25-65	Over 65	Total.
No. 1. <i>Epidemic, Endemic and Infectious Diseases—</i>									
Tuberculosis (All forms)									
Pulmonary .. . .	—	—	—	—	—	2	12	3	17
Meningitis .. . .	—	1	2	—	—	—	2	—	5
Influenza .. . .	—	—	—	—	—	—	1	1	2
Pertussis .. . . .	1	—	—	—	—	—	—	—	1
Pyaemia .. . . .	—	—	—	—	—	—	1	—	1
Septicaemia .. . .	1	—	—	—	—	—	—	—	1
No. 2. <i>Cancer and other Tumours—</i>									
Oesophagus .. . .	—	—	—	—	—	—	1	1	2
Stomach .. . . .	—	—	—	—	—	—	4	12	16
Colon .. . . . .	—	—	—	—	—	—	—	7	7
Rectum .. . . . .	—	—	—	—	—	—	1	3	4
Pancreas .. . . .	—	—	—	—	—	—	1	1	2
Liver .. . . . .	—	—	—	—	—	—	1	4	5
Kidney .. . . . .	—	—	—	—	—	1	—	1	2
Gall Bladder .. . .	—	—	—	—	—	—	1	—	1
Breast .. . . . .	—	—	—	—	—	—	5	3	8
Uterus .. . . . .	—	—	—	—	—	—	4	5	9
Prostate .. . . . .	—	—	—	—	—	—	1	2	3
Scrotum .. . . . .	—	—	—	—	—	—	—	1	1
Larynx .. . . . .	—	—	—	—	—	—	2	2	4
Lung .. . . . . .	—	—	—	—	—	—	3	4	7
Lymphatic Neoplasm	—	—	—	—	—	—	1	—	1
Cerebral .. . . . .	—	—	—	—	—	—	1	—	1
Sarcoma of Thigh ..	—	—	—	—	—	—	1	—	1
No. 3. <i>Rheumatism, Diseases of Nutrition and of Endocrine Glands and other General Diseases—</i>									
Rheumatoid Arthritis	—	—	—	—	—	—	1	—	1
Diabetes Mellitus ..	—	—	—	—	—	—	1	2	3
Carried Forward	2	1	2	—	3	45	52	105	

## APPENDIX

Brought Forward	2	I	2	-	3	45	52	105
<i>No. 4. Diseases of the Blood and Blood-forming Organs—</i>								
Plastic Anaemia ..	-	-	-	-	-	-	I	I
<i>No. 6. Diseases of the Nervous System and Sense Organs—</i>								
Meningitis ... ..	-	I	-	I	-	-	-	2
Cerebral Haemorrhage	I	-	-	-	-	3	14	18
Apoplexy ... ..	-	-	-	-	-	I	I	2
Cerebral Thrombosis	-	-	-	-	-	3	10	13
Hemiplegia ... ..	-	-	-	-	-	-	3	3
Landry's Paralysis	-	-	-	-	-	-	I	I
Mania ... ... ..	-	-	-	-	-	-	I	I
Epilepsy ... ... ..	-	-	-	-	I	-	I	2
Anorexia Nervosa ..	-	-	-	I	-	-	-	I
Bulbar Palsy ... ..	-	-	-	-	I	-	-	I
Otitis Media ... ..	-	-	-	-	I	-	-	I
<i>No. 7. Diseases of the Circulatory System—</i>								
Endocarditis ... ..	-	-	-	I	-	I	3	5
Aortic Disease .. ..	-	-	-	-	-	I	-	I
Valvular Disease ..	-	-	-	-	-	-	I	I
Mitral Stenosis ..	-	-	-	-	-	3	4	7
Myocarditis ... ..	-	-	-	-	-	I	5	6
Chronic Myocarditis	-	-	-	-	-	I	3	4
Myocardial Degeneration .. .. ..	-	-	*	-	-	2	27	29
Arterio Sclerosis ..	-	-	-	-	-	-	II	II
Angina Pectoris ..	-	-	-	-	-	2	2	4
Coronary Thrombosis	-	-	-	-	-	2	13	15
Hyperpiesia ... ..	-	-	-	-	-	5	2	7
Morbus Cordis .. ..	-	-	-	-	-	I	14	15
Congestive Heart Failure .. ..	-	-	-	-	I	-	-	I
Cardiac Failure ..	-	-	-	-	-	2	3	5
<i>No. 8. Diseases of the Respiratory System—</i>								
Acute Bronchitis ..	2	-	-	-	-	-	7	5
Chronic Bronchitis	-	-	-	-	-	3	2	5
Bronchitis ... ..	-	-	-	-	-	-	5	6
Carried Forward	5	2	2	3	7	76	186	281

## APPENDIX

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Brought Forward	5	2	2	3	7	76	186	281
No. 8. (Continued).								
Acute Broncho								
Pneumonia .. ..	I	-	-	-	-	-	I	2
Broncho Pneumonia	5	3	-	-	-	4	2	14
Lobar Pneumonia ..	-	-	-	-	-	I	-	I
Pneumonia .. ..	I	2	-	-	-	-	I	4
Asthma .. .. ..	-	-	-	-	-	2	-	2
Bronchial Asthma ..	-	-	-	-	-	-	2	2
Chronic Asthma ..	-	-	-	-	-	-	I	I
Asthma and								
Bronchitis .. ..	-	-	-	-	-	I	2	3
Bronchiectasis.. ..	-	-	-	-	I	-	-	I
Pulmonary Embolism	-	-	-	-	-	I	I	2
Pulmonary Throm-								
bosis .. .. ..	-	-	-	-	-	-	I	I
No. 9. Diseases of the Digestive System—								
Gastric Ulcer .. ..	-	-	-	-	-	I	-	I
Ulcer of Stomach ..	-	-	-	-	-	-	I	I
Acute Gastro-								
Enteritis .. ..	I	-	-	-	-	-	I	2
Gastro Enteritis ..	I	-	-	-	-	-	-	I
Intestinal Obstruction	-	-	-	-	-	-	I	I
Strangulated Hernia	-	-	-	-	-	-	I	I
Cirrhosis of Liver ..	-	-	-	-	-	I	-	I
Peritonitis .. ..	-	-	-	-	-	I	-	I
Diverticulitis .. ..	-	-	-	-	-	-	2	2
No. 10. Non-Venereal Diseases of the Genito-Urinary System and Annexa—								
Nephritis .. .. ..	-	-	-	-	-	I	-	I
Chronic Nephritis ..	-	-	-	-	-	I	I	2
Bright's Disease ..	-	-	-	-	-	-	I	I
Uraemia .. .. ..	-	-	-	-	-	4	6	10
No. 11. Diseases of Pregnancy, Childbirth and the Puerperal State—								
Caesarean Section	-	-	-	-	-	I	-	I
Carried Forward	14	7	2	3	8	95	211	340

Brought Forward	14	7	2	3	8	95	211	340
<i>No. 14. Congenital Malformations—</i>								
Hydrocephalus ..	1	—	—	—	—	—	—	1
Congenital Heart ..	2	—	—	—	—	—	—	2
Congenital Pyloric Stenosis .. ..	1	—	—	—	—	—	—	1
Atalectasis .. ..	1	—	—	—	—	—	—	1
Anecephaly .. ..	1	—	—	—	—	—	—	1
<i>No. 15. Disease of Early Infancy—</i>								
Premature Birth ..	8	—	—	—	—	—	—	8
Marasmus .. ..	3	—	—	—	—	—	—	3
Injury at Birth ..	1	—	—	—	—	—	—	1
Asphyxia .. ..	2	—	—	—	—	—	—	2
<i>No. 16. Old Age—</i>								
Senile Decay .. ..	—	—	—	—	—	—	42	42
<i>No. 17. Deaths from Violence—</i>								
Suicide								
By Hanging ..	—	—	—	—	—	1	3	4
,, Strangulation	—	—	—	—	—	—	1	1
,, Gunshot Wounds	—	—	—	—	1	—	—	1
Accidental Deaths								
Drowning .. ..	—	—	1	—	4	3	1	9
Other Causes ..	—	—	—	—	1	3	4	12
<i>No. 18. Ill-Defined Diseases—</i>								
Malnutrition .. ..	1	—	—	—	—	—	1	2
Total .. .. ..	35	7	3	4	16	103	263	431

## *Report of the Chief Sanitary Inspector.*

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SIR,

I beg to present my annual report for the year 1946.

### HOUSING AND SANITARY INSPECTIONS.

Number of houses inspected (routine) .. .. .. .. ..	470
Number of houses inspected for Housing Authority and other requests ..	334
Number of houses inspected in connection with Notifiable Infectious Diseases .. .. .. .. ..	24
Number of houses inspected for sanitation and water only .. ..	271
Number of houses inspected for refuse and sewage after occupation by German Forces and Foreign Labourers .. .. .. ..	650
Number of business premises and workshops inspected .. ..	137
Complaints investigated and abated .. .. .. ..	133
Sanitary defects and unsatisfactory water supplies remedied and work carried out .. .. .. .. ..	113
Drains tested and/or exposed .. .. .. .. ..	57
W.C.'s and drains cleansed and left in working order .. .. .. ..	44
Request inspections of sanitary defects .. .. .. .. ..	18
Disposal of refuse dumps left by Germans .. .. .. .. ..	15
Disinfections of refuse dumps left by Germans .. .. .. .. ..	5
Inspection of local refuse dumps .. .. .. .. ..	110
Inspection of public premises and schools .. .. .. .. ..	39
Investigations and clearing of German bunkers, huts and gunsites ..	71
Inspection of mattresses at Custodians' Stores .. .. .. .. ..	34
Number of appointments and interviews .. .. .. .. ..	421
Re-inspections (general) .. .. .. .. ..	211
Number of notices served for abatement of nuisances under "La Santé Publique" .. .. .. .. ..	279
Jobs completed .. .. .. .. ..	55
Partly completed .. .. .. .. ..	14
Work placed with contractors .. .. .. .. ..	168
Work not yet re-inspected .. .. .. .. ..	42
Verbal agreements in lieu of notices .. .. .. .. ..	14

### FARMS AND MILK.

Total number of farms inspected .. .. .. .. ..	433
Farmers warned for dirty stables and/or dirty utensils .. .. ..	41
Inspections of Milk Retailers' premises and utensils .. .. ..	179
Inspections at States Dairy and Road Collection Depots .. .. ..	207
Farms visited for check samples from cows .. .. .. ..	60

## APPENDIX

## SAMPLES ANALYSED DURING 1946.

Number of official samples of whole milk	..	..	..	..	55
Number of unofficial samples of whole milk	..	..	..	..	540
Samples for fat and reductase test A.M.	..	..	..	..	1255
Samples for fat and reductase test P.M.	..	..	..	..	163
Samples for Reductase test only	..	..	..	..	132
Check samples taken at Dairy and in transit	..	..	..	..	126
Appeal-to-the-cow samples taken at farms	..	..	..	..	212

## MONTHLY AVERAGE OF FAT AND NON-FATTY SOLIDS.

Month.	Fat.		Solids-not-fat.	
	a.m.	p.m.	a.m.	p.m.
January .. ..	4.43%	nil.	9.14%	nil.
February .. ..	4.51%	5.1%	8.84%	9.35%
March .. ..	4.53%	5.24%	9.03%	8.95%
April .. ..	4.28%	5.20%	8.77%	9.01%
May .. ..	4.37%	5.67%	8.85%	9.13%
June .. ..	4.58%	5.4%	8.92%	9.09%
July .. ..	4.52%	5.28%	8.63%	8.75%
August .. ..	4.76%	6.2%	8.85%	9.28%
September ..	4.78%	5.88%	8.64%	8.71%
October .. ..	4.73%	5.92%*	8.77%	nil.
November ..	4.61%	5.12%	8.55%	9.01%
December ..	4.62%	5.82%	9.12%	8.86%

\*P.M. Samples taken for fat and reductase test only.

Average morning fat content for the year	..	..	4.46%
Average morning non-fatty solids for the year	..	..	8.70%
Average P.M. fat content for the year	..	..	5.51%
Average P.M. non-fatty solids for the year	..	..	8.89%
Percentage of dirty milk, i.e. decolourised in 3 hours and under	..	..	12.4%

N.B. From July to December samples for reductase test were mainly checks on unsatisfactory samples taken by the Dairy analyst.

COMPARISON OF FAT AND NON-FATTY SOLIDS FOR  
YEARS 1939-1946.

*Morning milk only.*

<i>Year.</i>	<i>Fat content.</i>	<i>Non-fatty solids.</i>
1939 .. .. .. 4.19	8.72	
1940 .. .. .. 4.24	8.48	
1941 .. .. .. 4.05	8.62	
1942 .. .. .. 4.05	8.60	
1943 .. .. .. 4.07	8.72	
1944 .. .. .. 4.11	8.70	
1945 .. .. .. 4.0	8.73	
1946 .. .. .. 4.46	8.70	

FOODS.

Inspections have been made at the Essential Commodities stores, Meat Market, wholesale and retail provision merchants' premises, bakeries, etc., as given in the following table.

Essential Commodities Stores	.. ..	6
Meat Market .. .. ..	.. ..	7
Bakehouses .. .. ..	.. ..	31
Food retailers' premises .. .. ..	.. ..	108
Fish and Chip shops .. .. ..	.. ..	8
Ice Cream manufacturers .. .. ..	.. ..	9

Generally speaking the standard of cleanliness in shops and bakehouses is satisfactory.

The following food analyses have been made :—

Cream .. .. .. ..	2	Flavouring Essence .. ..	5
Butter .. .. .. ..	1	Cocoa .. .. ..	1
Bread .. .. .. ..	1	Fish paste .. .. ..	1
Pearl Barley .. .. .. ..	1	Meat aspic .. .. ..	1
Flour .. .. .. ..	7	Baking powder .. .. ..	2
Ice Cream .. .. .. ..	17	Custard powder .. .. ..	1
Jam .. .. .. ..	4	Gravy browning .. .. ..	1
Ice Cream Powder .. .. ..	12	Vinegar .. .. ..	2
Fruit Cake .. .. .. ..	5	Raising powder .. .. ..	1
Rum .. .. .. ..	1	Ground Almond substitute ..	1
Oatmeal .. .. .. ..	1	Cake mixtures .. .. ..	1
Quaker oats .. .. .. ..	1	Malt flour .. .. ..	1
Semolina .. .. .. ..	1	Pudding mixture .. .. ..	8
Margarine .. .. .. ..	4	Yeast .. .. ..	3
Pepper .. .. .. ..	1		

## APPENDIX

Food examined and destroyed as unfit for human consumption :—

13 bottles Sauce.	33 tins Spam.
9 jars Paste.	5 tins Minced pork.
1 btle Mayonnaise.	11 cwt. Imported cauliflower.
4 btles Pickle.	49 tins Peas.
1 tin Sweet pickle.	209 lbs. 1 oz. Bacon.
3 btles. Macaroni Savoury.	1 tin Chopped ham.
1 pkt. Gravy Browning.	45 tins Canned Meat.
4 jars Piccalilli.	9 cases and 4 ozs. Tea.
1 tin Mustard.	3 tins Bournvita.
3 pkts. Bisto.	4 tins Coffee.
22 pkts. Beef Suet.	1 btle. Coffee essence.
4 tins Spaghetti.	390 Eggs.
46 tins Pilchards.	308 tins Evaporated milk.
3 tins Crayfish.	14 tins Full Cream Milk.
39 tins Salmon.	20 tins Condensed milk.
3 tins Sardines.	17 tins skimmed milk.
89 tins Baked Beans.	195 lbs. Cheese.
4 tins Pork and vegetable.	11 tins Processed Cheese.
14 tins Carrots.	7 tins Date Pudding.
1 jar Marmite.	118 pkts. Pudding mixtures.
1 tin Vegetable Salad.	20 jars Jam.
2 tins Pork and Soya beans.	8 jars Marmalade.
43 tins Soups.	37 lbs. Oranges.
3 tins Irish Stew.	8 tins Pears.
4 tins Cooked Ox Tongue.	11 lbs. Dates.
4 tins Minced beef loaf.	17 tins Apricots.
1 tin Cauliflower.	3 tins Peaches.
1 tin Bristling.	17 lbs Golden Syrup.
69 tins Prem.	3 lbs. Sweet biscuits.
9 tins Soya Links.	3 lbs. Chocolate biscuits.
3 tins Pork Luncheon.	11 lbs. Boiled Sweets.
2 tins Skinless sausages.	

## LICENSED PREMISES.

Licensed premises and hotels have been inspected to ascertain the state of their sanitary arrangements. A number of them were found deficient and additions and alterations will be made as soon as materials are obtainable. The number inspected was forty-nine.

## WATER SUPPLY.

The water supply in the country parishes must be regarded as unsatisfactory owing to the large number of shallow wells found in close proximity to privy middens. There is a very urgent need for a great extension of the States Water Board's mains and until such time as this can be effected the danger of pollution will still exist. Where practicable earth closets are being installed until materials are available for the installation of modern water closets.

Obviously this work cannot proceed until a piped water supply is available. The Engineer of the States Water Board has rendered valuable service by his co-operation with this department and has made extensions in thickly populated districts at the Vale Mill, Bordeaux and Ville Baudu. A number of Public pumps in St. Peter Port will be closed in the near future and warning notices have been affixed. Weekly samples have been taken at the Pumping Stations.

Particulars of analysis are as follows :—

Routine samples from States Water Board mains	231
Private Supplies, Routine and requests .. ..	190
Public Pumps and fountains .. .. ..	72

#### DISINFECTIONS.

Disinfections were carried out after cases of Notifiable Infectious Diseases, also at the Essential Commodities offices at Beau Séjour and the Prisoner of War camp at Les Blancs Bois from which six hundred and thirty articles consisting of mattresses and bed clothing were steam disinfected. In addition approximately three thousand articles were steam disinfected in the King Edward Sanatorium disinfector, a large proportion being from the Emergency and Town Hospitals. Forty-six mattresses from the Custodian Stores were destroyed being unfit for use. Charges for private disinfections amount to £17 2s. 6d. Scabies was the greatest contributor to the total number of disinfections.

The work done in 1946 was at the beginning of the year very similar to that of 1945. Verminous houses were still being reported and disinfested ; choked drains, rubbish dumps in huts and gun sites have been dealt with.

Two additional Assistant Sanitary Inspectors commenced duty on 15th January and after a year's training are becoming very efficient. All Inspectors have given very satisfactory service.

The housing problem has been very acute and although there are a large number of known cases of overcrowding it has been impossible to find other accommodation for them. Owing to lack of materials many really urgent jobs have been held up. Sanitary appliances have been issued strictly on permit and a great number are yet needed to meet the present demand. An extension of the sewers also would be greatly welcomed by this department.

Since the department has been adequately staffed with Inspectors it has been found possible to survey many country districts to ascertain the sanitary circumstances and water supplies of these areas and whilst it is still impossible to provide modern sanitation a record is now available and when materials are easier to obtain, notices will be served for new installations.

I am, Sir,

Your obedient Servant,

G. AUSTIN,

Chief Sanitary Inspector.

The Medical Officer of Health,  
Lukis House,  
Guernsey.





